DRAFT Intercontinental Terminals Company (ITC) Fire

Water

EPA conducted surface water sampling on April 11, 2019 at 10 sample locations. The surface water samples were collected along Buffalo Bayou and the San Jacinto River and will be analyzed for per- and polyfluoroakyl substances (PFAS), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), chemical oxygen demand (COD), and oil & grease. The results from the sampling event were compared to the TCEQ Surface Water Quality Standards (WQS), or to TCEQ Texas Risk Reduction Program surface water protective concentration levels (PCLs), if a WQS was not available for a chemical. On March 21, 2019, the surface water sample collected at the confluence of Tucker Bayou and Buffalo Bayou (BB-02) exceeded the PCL for oil and grease, and the WQS for naphthalene, benzene and total xylenes. On March 25, 2019, the surface water sample collected on Buffalo Bayou at the Battleship Texas (BB-05) exceeded the PCL for oil and grease. On March 30, 2019, the surface water sample collected at BB-02 exceeded the WQS for 1,2,4-trichlorobenzene. On April 2, 2019, the surface water sample collected at BB-05 exceeded the WQS for 2-methylnaphthalene and phenanthrene. No other exceedances have been observed.

Air Monitoring

EPA conducted handheld air monitoring on April 11, 2019, from 00:00 to 23:59 at 57 locations in the surrounding communities. Results were reported above the detection limit at two locations for total volatile organic compounds (VOCs). EPA will continue to conduct additional air monitoring and deploy the Trace Atmospheric Gas Analyzer (TAGA) to determine if VOCs continue to be detected.

ASPECT

The Airborne Spectral Photometric Environmental Collection Technology (ASPECT) aircraft did not fly during this reporting period due to low ceiling (cloud cover).

TAGA

EPA conducted air sampling using the Trace Atmospheric Gas Analyzer (TAGA) on April 11, 2019. The TAGA analyzed the air samples for benzene, toluene and xylene. The TAGA air sampling results were compared to the TCEQ short-term AMCVs and found no exceedances of the short-term AMCVs for toluene and xylene. The TAGA air sampling results found an exceedance of the short-term AMCV for benzene (0.18 ppm) north of the ITC facility. These results have been shared with unified command and local officials.